

Title (en)

ANALYTICAL DEVICE AND ANALYTICAL METHOD

Title (de)

ANALYSEVORRICHTUNG UND ANALYSEVERFAHREN

Title (fr)

DISPOSITIF ANALYTIQUE ET PROCÉDÉ ANALYTIQUE

Publication

**EP 2657702 A1 20131030 (EN)**

Application

**EP 11850209 A 20111222**

Priority

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Abstract (en)

The present invention provides a technique capable of simply analyzing a target to be analyzed. An analytical device of the present invention includes a basal plate; a nucleic acid element; and a detection section of detecting a signal. The nucleic acid element and the detection section are arranged on the basal plate. The nucleic acid element includes a first nucleic acid molecule and a second nucleic acid molecule. The first nucleic acid molecule is a nucleic acid molecule capable of binding to a target. The second nucleic acid molecule is a nucleic acid molecule capable of binding to streptavidin. When the target does not bind to the first nucleic acid molecule, a binding capacity of the second nucleic acid molecule to the streptavidin is inactivated. When the target binds to the first nucleic acid molecule, a binding capacity of the second nucleic acid molecule to the streptavidin is activated. The detection section detects binding between the second nucleic acid molecule and the streptavidin. The target is bound to the first nucleic acid molecule, so that the streptavidin is bound to the second nucleic acid molecule. Thus, the target can be analyzed through detecting the binding between the second nucleic acid molecule and the streptavidin using the detection device.

IPC 8 full level

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